

May 19, 2003
E-mail transmittal

Memorandum:

To: National Tsunami Hazard Mitigation Program

From: George Priest (DOGAMI) and Mark Darienzo (OEM)

Subject: Oregon Tsunami Mitigation and Mapping SOW, Congressional
Add-on to FY 2003 Support: \$116,000

A Congressional add-on to the National Tsunami Hazard Mitigation Program (NTHMP) allows Oregon to submit a proposal for \$116,000 of additional funding in this fiscal year. Attached is the statement of work (SOW) and budget for enhancement of Oregon's FY 2003 tsunami hazard mitigation and mapping program. This budget has been modified based on discussions in the last NTHMP meeting, a number of e-mails and phone conversations with members of the NTHMP, and another internal review here and at Oregon Emergency Management.

C John Beaulieu, Vicki McConnell, Charles Kirby, Lu Clark

OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES (DOGAMI)

FY 2003 Supplemental Tsunami Hazard Mitigation and Mapping Program

STATEMENT OF WORK

Bathymetry for the Siuslaw Estuary (Florence)

The tsunami simulation for Florence will be much more accurate with the addition of a local bathymetric survey that will cover areas outside of the dredged channel. DOGAMI will subcontract this work.

Tsunami Simulation for the Siuslaw Estuary (Florence)

DOGAMI will complete a tsunami simulation for the Siuslaw Estuary at Florence, Oregon. This work will be done utilizing the new bathymetric data and existing digital topographic data.

DOGAMI Tsunami Web Site Development

The DOGAMI Public Education Team will continue to upgrade the Coastal Section web site to increase public access to tsunami hazard information and publications. Emphasis will be on making all tsunami evacuation maps available as .PDF downloads. Links to the appropriate part of the OEM web site will be added to the DOGAMI web site as the OEM site expands to cover more tsunami information.

Convert Evacuation Maps to GIS Files

The GIS Coordinator of DOGAMI will convert all digital information from tsunami evacuation brochures into a format and database useful to the Oregon Department of Land Conservation and Development for use in their web-accessible coastal GIS.

Seaside Evacuation Analysis

Evacuation options will be investigated at Seaside, Oregon. This town has a particularly challenging evacuation problem owing to 2 shore-parallel rivers, numerous bridges and low elevation. On a busy summer weekend potential loss of life could be 20,000-30,000. The study may be conducted by the City or by a subcontractor. Local government officials will decide. OEM and DOGAMI will advise local government and offer technical review as the analysis is conducted. All results will be publicly released.

Enhanced Printing of Evacuation Brochures

Enhanced support will allow covering the full cost of printing evacuation brochures plus reprinting some earlier ones that have gone out of print.

Enhancement of Tasks

If Mark Darienzo gets salary support from non-NTHMP sources, we would utilize any NTHMP funds remaining from the currently obligated \$70,000 of his salary support for enhancement of the above tasks plus help to local government for TsunamiReady certification.

PERIOD OF PERFORMANCE

July 1, 2003 through June 30, 2004

BUDGET FOR FY 2003 CONGRESSIONAL ADD-ON – OREGON

PERSONNEL	
Geologist (project management; technical oversight, mapping, writing)	\$17,000
Editor (local government coordination + production of evac. Brochures)	\$6,000
GIS Coordinator (metadata, review, coordination)	\$10,364
Earth Science Officer (public information management)	\$6,000
Public Education Coordinator (web site improvement)	\$6,000
Total Personnel	\$45,364
SUPPLIES	
Field office operating expenses (3.5% of grant)	\$4,060
SUBCONTRACTS	
Seaside evacuation analysis	\$4,000
Secretarial Support (5% of labor)	\$2,268
Bathymetry for Siuslaw Estuary	\$14,000
Oregon Grad. Inst. (tsunami simulation)	\$20,000
CD Publication of Florence Tsunami Hazard. Map	\$100
CD publication Alsea Bay tsunami hazard map	\$100
Print Evacuation Brochures	\$5,000
Install Historical Marker Sign, Native American format	\$4,000
Total Subcontracts	\$49,468
DIRECT COSTS	\$98,892
INDIRECT COSTS (17.3%)	\$17,108
TOTAL	\$116,001